Daniele Perrone

List of Publications by Citations

50 papers	706 citations	15 h-index	25 g-index
54 ext. papers	978 ext. citations	3.1 avg, IF	5.06 L-index

#	Paper	IF	Citations
50	Seismic performance of non-structural elements during the 2016 Central Italy earthquake. *Bulletin of Earthquake Engineering*, **2019**, 17, 5655-5677	3.7	74
49	Current Challenges and Future Trends in Analytical Fragility and Vulnerability Modeling. *Earthquake Spectra*, **2019**, 35, 1927-1952	3.4	71
48	Seismic assessment and loss estimation of existing school buildings in Italy. *Engineering Structures*, **2018**, 168, 142-162	4.7	64
47	Seismic retrofit options for non-structural building partition walls: Impact on loss estimation and cost-benefit analysis. *Engineering Structures*, **2018**, 161, 8-27	4.7	43
46	Rapid visual screening for seismic evaluation of RC hospital buildings. *Structures*, **2015**, 3, 57-70	3.4	38
45	Non-linear behaviour of masonry infilled RC frames: Influence of masonry mechanical properties. *Engineering Structures*, **2017**, 150, 875-891	4.7	35
44	Performance-Based Seismic Design of Nonstructural Building Elements. *Journal of Earthquake Engineering*, **2021**, 25, 237-269	1.8	30
43	Consistent floor response spectra for performance-based seismic design of nonstructural elements. *Earthquake Engineering and Structural Dynamics*, **2020**, 49, 261-284	4	28
42	Evaluation of the infill influence on the elastic period of existing RC frames. *Engineering Structures*, **2016**, 123, 419-433	4.7	27
41	Probabilistic estimation of floor response spectra in masonry infilled reinforced concrete building portfolio. *Engineering Structures*, **2020**, 202, 109842	4.7	25
40	A prioritization RVS methodology for the seismic risk assessment of RC school buildings. *International Journal of Disaster Risk Reduction*, **2020**, 51, 101807	4.5	22
39	System Identification and Seismic Assessment Modeling Implications for Italian School Buildings. *Journal of Performance of Constructed Facilities*, **2019**, 33, 04018089	2	22
38	Automated seismic design of non-structural elements with building information modelling. *Automation in Construction*, **2017**, 84, 166-175	9.6	19
37	Assessing seismic risk in typical Italian school buildings: From in-situ survey to loss estimation. *International Journal of Disaster Risk Reduction*, **2020**, 44, 101448	4.5	18
36	Displacement-Based Framework for Simplified Seismic Loss Assessment. *Journal of Earthquake Engineering*, **2020**, 24, 1-22	1.8	16
35	Seismic retrofit of existing school buildings in Italy: Performance evaluation and loss estimation. *Engineering Structures*, **2020**, 225, 111243	4.7	15
34	Experimental seismic response evaluation of suspended piping restraint installations. *Bulletin of Earthquake Engineering*, **2020**, 18, 1499-1524	3.7	12

33	Numerical Modelling and Validation of the Response of Masonry Infilled RC Frames Using Experimental Testing Results. *Buildings*, **2020**, 10, 182	3.2	12
32	Fragility functions and floor spectra of RC masonry infilled frames: influence of mechanical properties of masonry infills. *Bulletin of Earthquake Engineering*, **2018**, 16, 6105-6130	3.7	11
31	Probabilistic models for structures with bilinear demand-intensity relationships. *Earthquake Engineering and Structural Dynamics*, **2019**, 48, 253-268	4	11
30	Seismic Vulnerability Assessment of the Urban Building Environment in Nablus, Palestine. *International Journal of Architectural Heritage*, **2018**, 12, 1196-1215	2.1	11
29	A rational approach to the conversion of FEMA P-58 seismic repair costs to Europe. *Earthquake Spectra*, **2020**, 36, 1607-1618	3.4	10
28	Seismic Acceleration and Displacement Demand Profiles of Non-Structural Elements in Hospital Buildings. *Buildings*, **2020**, 10, 243	3.2	9
27	Seismic Demand on Acceleration-Sensitive Nonstructural Components in Viscously Damped Braced Frames. *Journal of Structural Engineering*, **2020**, 146, 04020190	3	9
26	Effect of cyclic loading protocols on the experimental seismic performance evaluation of suspended piping restraint installations. *International Journal of Pressure Vessels and Piping*, **2018**, 166, 61-71	2.4	9
25	Estimation of Seismic Expected Annual Losses for Multi-Span Continuous RC Bridge Portfolios Using a Component-Level Approach. *Journal of Earthquake Engineering*, **2020**, 1-27	1.8	8
24	Simplified seismic assessment of infilled RC frame structures. *Bulletin of Earthquake Engineering*, **2020**, 18, 1579-1611	3.7	8
23	Seismic numerical modelling of suspended piping trapeze restraint installations based on component testing. *Bulletin of Earthquake Engineering*, **2020**, 18, 3247-3283	3.7	5
22	Optimal seismic retrofitting of existing buildings considering environmental impact. *Engineering Structures*, **2022**, 250, 113391	4.7	5
21	SHAKE TABLE TESTING FOR SEISMIC PERFORMANCE EVALUATION OF NON-STRUCTURAL ELEMENTS **2019**,		5
20	Seismic performance assessment of piping systems in bare and infilled RC buildings. *Soil Dynamics and Earthquake Engineering*, **2021**, 149, 106897	3.5	5
19	Nonlinear static characterisation of masonry-infilled RC building portfolios accounting for variability of infill properties. *Bulletin of Earthquake Engineering*, **2021**, 19, 2597-2641	3.7	4
18	System Identification and Structural Modelling of Italian School Buildings. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 301-303	0.3	3
17	Critical Assessment of Estimation Procedures for Floor Acceleration Demands in Steel Moment-Resisting Frames. *Frontiers in Built Environment*, **2019**, 5,	2.2	3
16	A probabilistic strong floor motion duration model for seismic performance assessment of non-structural building elements. *Earthquake Engineering and Structural Dynamics*,	4	3

15	MID1.0: Masonry Infilled RC Frame Experimental Database. *Lecture Notes in Civil Engineering*, **2018**, 147-160	0.3	2
14	A Framework for the Quantification of Non-Structural Seismic Performance Factors. *Journal of Earthquake Engineering*,1-27	1.8	2
13	Seismic acceleration demand and fragility assessment of storage tanks installed in industrial steel moment-resisting frame structures. *Soil Dynamics and Earthquake Engineering*, **2022**, 152, 107016	3.5	2
12	Influence of Masonry Infills on the Shear Forces of RC Framed Structures. *Applied Mechanics and Materials*, **2016**, 847, 361-368	0.3	1
11	Towards Seismic Design of Nonstructural Elements: Italian Code-Compliant Acceleration Floor Response Spectra. *Advances in Civil Engineering*, **2021**, 2021, 1-18	1.3	1
10	Development of Fragility Curves for Multi-Span RC Bridges using Generalized Pushover Analysis **2019**,		1
9	Calibrated Equivalent Viscous Damping for Direct Displacement-Based Seismic Design of Suspended Piping Trapeze Restraint Installations. *Journal of Earthquake Engineering*,1-29	1.8	1
8	Influence of the Modelling Approach on the Failure Modes of RC Infilled Frames Under Seismic Actions. *Lecture Notes in Civil Engineering*, **2020**, 69-81	0.3	1
7	Shake-table tests of innovative drift sensitive nonstructural elements in a low-damage structural system. *Earthquake Engineering and Structural Dynamics*, **2021**, 50, 2398-2420	4	1
6	Story loss functions for seismic design and assessment: Development of tools and application. *Earthquake Spectra*,875529302110235	3.4	1
5	MID 1.1: Database for Characterization of the Lateral Behavior of Infilled Frames. *Journal of Structural Engineering*, **2021**, 147, 04721007	3	0
4	Probabilistic Seismic Risk Assessment of School Buildings. *Lecture Notes in Civil Engineering*, **2021**, 15-38	0.3	
3	Simplified modelling and pushover analysis of infilled frame structures accounting for strut flexibility. *Earthquake Engineering and Structural Dynamics*, **2022**, 51, 1383-1409	4	
2	Calibrated Equivalent Viscous Damping for Direct Displacement Based Seismic Design of Pallet-Type Steel Storage Racks. *Journal of Earthquake Engineering*,1-35	1.8	
1	Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. *Buildings*, **2022**, 12, 642	3.2	